

WHAT IS CLAIMED IS:

1. A head slider comprising:

a support; and

a magnetic head part, formed on the support, for  
5 carrying out at least one of recording and reproducing  
of information;

the magnetic head part comprising:

a device to be energized, including first and  
second poles for supplying a current therebetween; and

10 an energizing electrode pad disposed on a first  
surface of the magnetic head part on a side opposite  
from the support;

the first pole of the device to be energized,  
being electrically connected to the electrode pad;

15 the second pole of the device to be energized,  
being conductible by way of a second surface different  
from the first surface.

2. A head slider according to claim 1, wherein  
the support has the second surface.

20 3. A head slider according to claim 1, wherein  
the magnetic head part comprises a magnetoresistive  
device for reproducing, an inductive electromagnetic  
transducer for recording, and a heater element for  
generating heat upon energization;

25 wherein the device to be energized is one of  
devices of the magnetoresistive device, inductive

electromagnetic transducer, and heater element; and

wherein the devices other than the device to be energized are connected to respective pairs of electrode pads disposed on the first surface.

5           4.    A head gimbal assembly comprising:

          a head slider, including a support and a magnetic head part, formed on the support, for carrying out at least one of recording and reproducing of information; and

10           an arm member mounted with the head slider;

          the magnetic head part comprising a device to be energized, including first and second poles for supplying a current therebetween, and an energizing electrode pad disposed on a first surface of the magnetic head part on a side opposite from the support;

15           the first pole of the device to be energized, being electrically connected to the energizing electrode pad;

          the second pole of the device to be energized, being conductible by way of a second surface different from the first surface.

20           5.    A head gimbal assembly according to claim 4, wherein the support has the second surface.

          6.    A head gimbal assembly according to claim 4, wherein the second surface is in contact with the arm member.

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7. A head gimbal assembly according to claim 4,  
wherein the magnetic head part comprises a  
magnetoresistive device for reproducing, an inductive  
electromagnetic transducer for recording, and a heater  
5 element for generating heat upon energization;

wherein the device to be energized is one of  
devices of the magnetoresistive device, inductive  
electromagnetic transducer, and heater element; and

wherein the devices other than the device to be  
10 energized are connected to respective pairs of  
electrode pads disposed on the first surface.

8. A hard disk drive comprising:

a head gimbal assembly including an arm member  
mounted with a head slider; and

15 a recording medium;

the head slider comprising a support and a  
magnetic head part, formed on the support, for carrying  
out at least one of recording and reproducing of  
information;

20 the magnetic head part comprising a device to be  
energized, including first and second poles for  
supplying a current therebetween, and an energizing  
electrode pad disposed on a first surface of the  
magnetic head part on a side opposite from the support;

25 the first pole of the device to be energized,  
being electrically connected to the energizing

electrode pad;

the second pole of the device to be energized, being conductible by way of a second surface different from the first surface.

5           9. A hard disk drive according to claim 8, wherein the support has the second surface.

10           10. A hard disk drive according to claim 8, wherein the second surface is in contact with the arm member.

10           11. A hard disk drive according to claim 8, wherein the magnetic head part comprises a magnetoresistive device for reproducing, an inductive electromagnetic transducer for recording, and a heater element for generating heat upon energization;

15           wherein the device to be energized is one of devices of the magnetoresistive device, inductive electromagnetic transducer, and heater element; and

20           wherein the devices other than the device to be energized are connected to respective pairs of electrode pads disposed on the first surface.